

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P157163

Luminaire Tested: **UTLD-F02-LED-E-U-T3-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157163
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33662)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: UTLD-F02-LED-E-U-T3-8030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 AREA
Light Source: (14) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3756.1 lumens
Efficiency: N/A
Efficacy: 68.3 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')
IES Classification: Type III - Short - Semi-Cutoff
BUG Rating: B1 - U0 - G1

Input Watts (W): 55
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



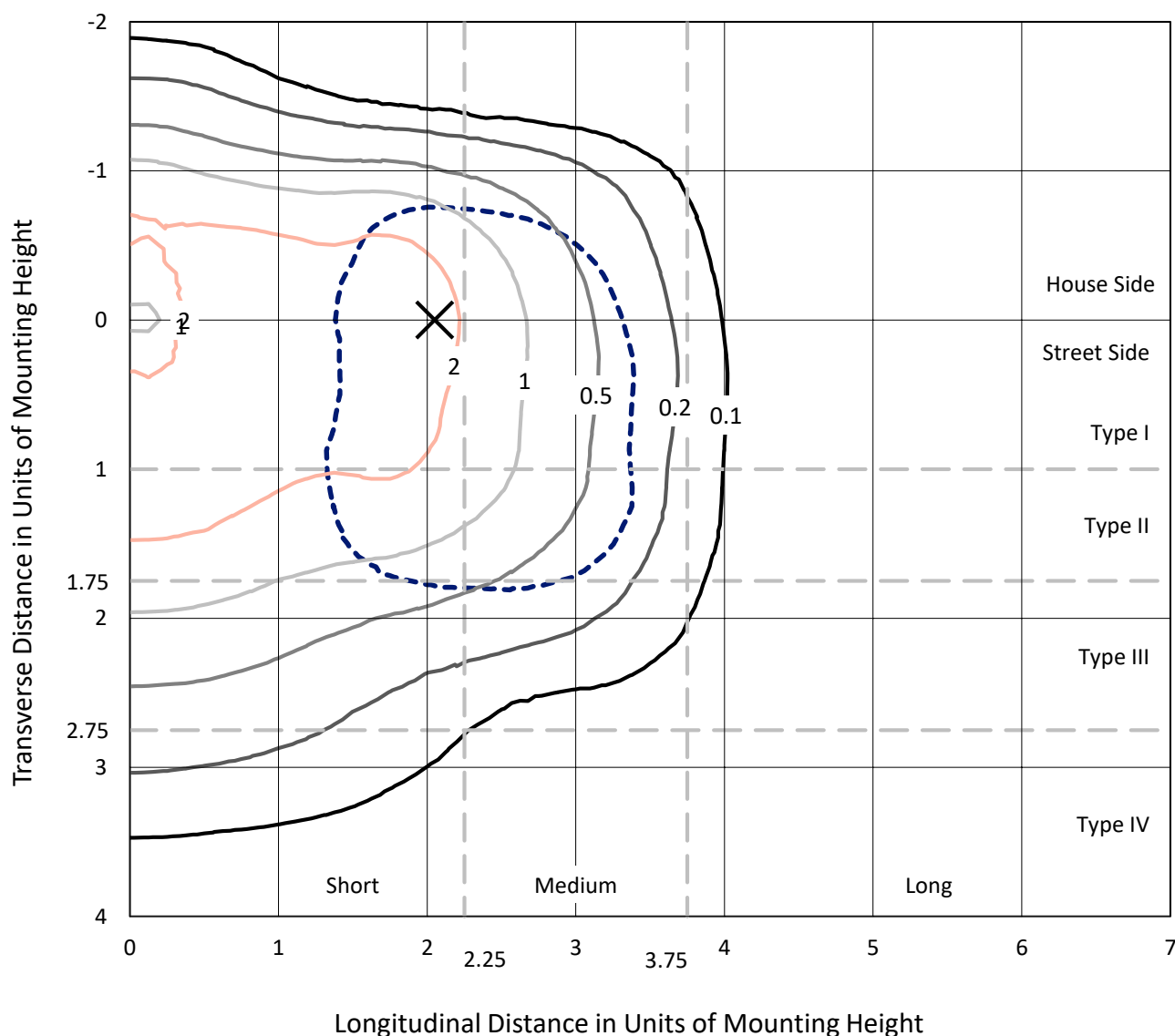
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

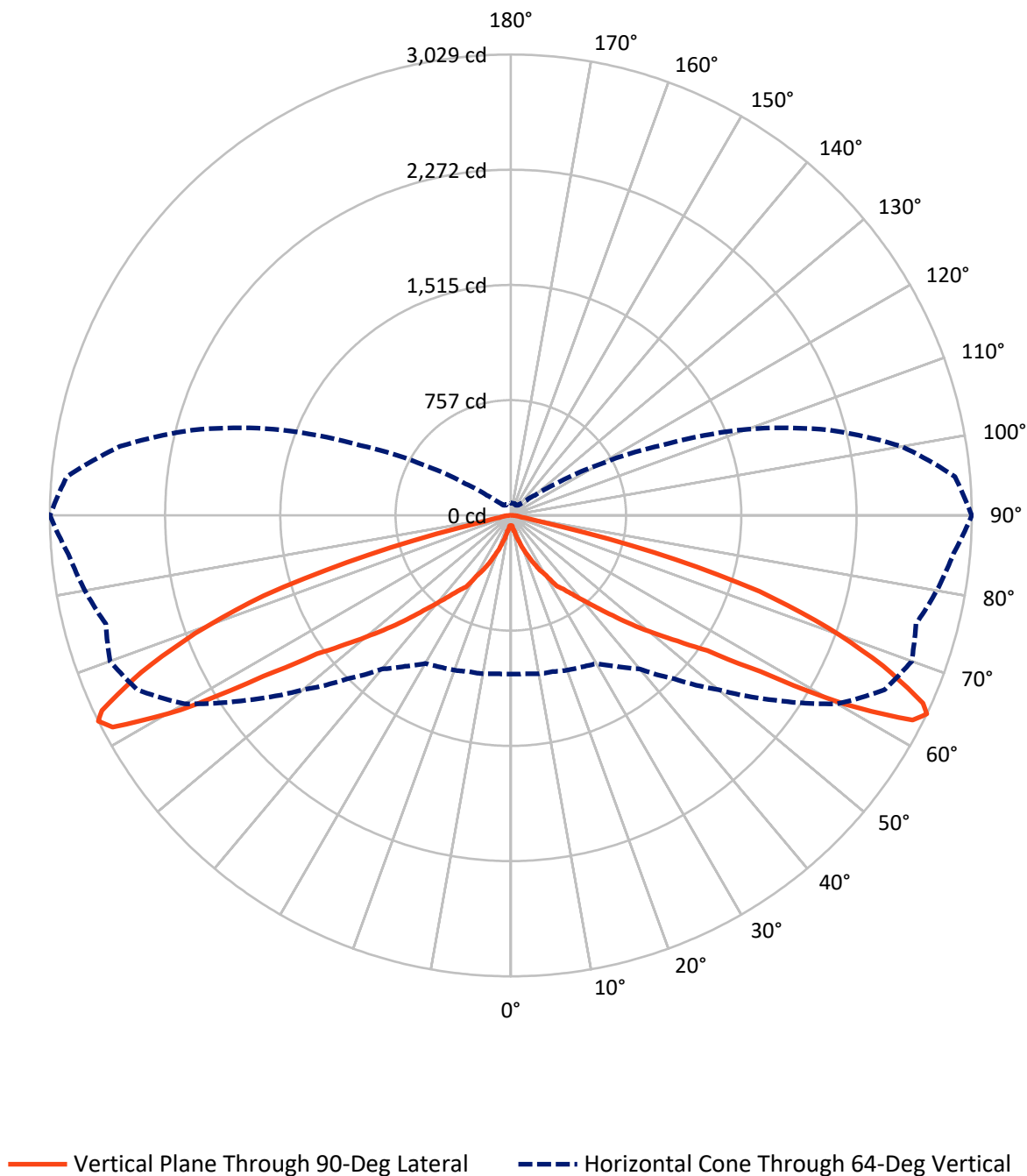


Based on 10 foot mounting height. Maximum calculated value = 3.3 fc
 Type III - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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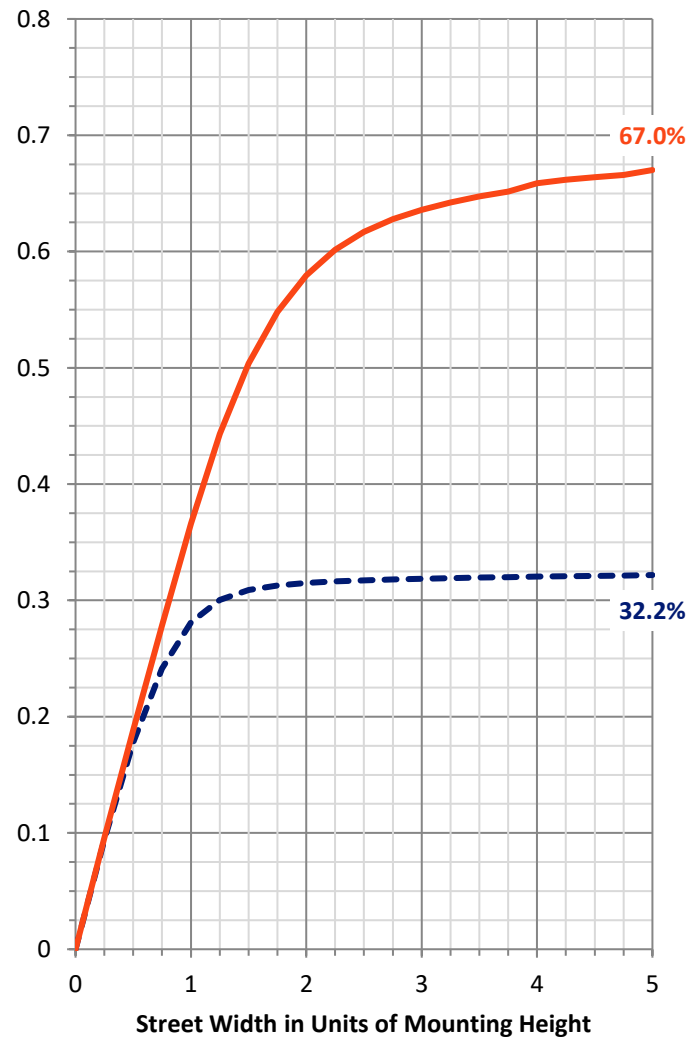
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1220.7	0.0	1220.7
	% Fixture	32.5	0.0	32.5
Street Side	Lumens	2535.4	0.0	2535.4
	% Fixture	67.5	0.0	67.5
Total	Lumens	3756.1	0.0	3756.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.2	0.2
10°-20°	49.4	1.3
20°-30°	145.4	3.9
30°-40°	307.4	8.2
40°-50°	538.8	14.3
50°-60°	858.1	22.8
60°-70°	1203.3	32.0
70°-80°	545.0	14.5
80°-90°	99.5	2.7
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3756.1	100.0
0°-180°	3756.1	100.0

Coefficient of Utilization



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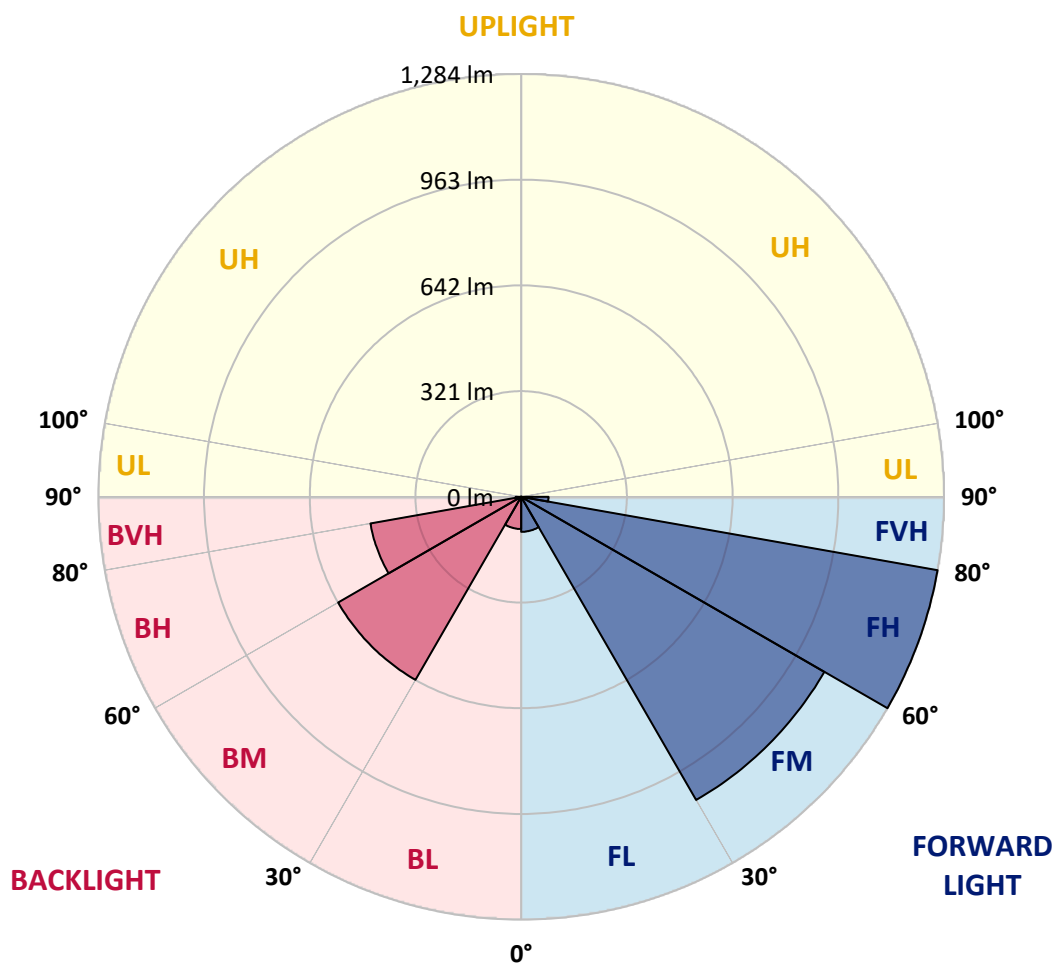
CATALOG NUMBER: UTLD-F02-LED-E-U-T3-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	106.3	2.8			
FM	(30°-60°)	1062.7	28.3			
FH	(60°-80°)	1283.6	34.2			G1/1800
FVH	(80°-90°)	82.9	2.2			G1/100
BL	(0°-30°)	97.7	2.6	B0/110		
BM	(30°-60°)	641.6	17.1	B1/1000		
BH	(60°-80°)	464.8	12.4	B1/500		G1/500
BVH	(80°-90°)	16.6	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
2.5°	108.7	110.1	109.4	110.1	110.8	110.1	110.1	109.4	110.1	110.8	110.8
5°	88.5	89.2	89.2	88.5	89.2	89.2	89.2	89.2	89.2	89.2	89.2
7.5°	132.4	133.1	133.8	132.4	132.4	133.1	131.7	112.9	91.3	89.9	88.5
10°	132.4	133.1	133.1	131.7	132.4	133.1	133.1	132.4	128.2	127.5	127.5
12.5°	170.0	170.7	171.4	171.4	171.4	166.5	160.2	134.5	131.0	165.1	167.9
15°	172.1	172.1	172.1	169.3	169.3	166.5	168.6	199.3	197.2	173.5	170.7
17.5°	211.8	211.8	211.8	211.1	206.2	206.2	207.6	200.7	201.4	202.1	238.3
20°	257.8	259.2	240.4	220.2	212.5	236.9	237.6	233.4	256.4	228.5	240.4
22.5°	269.6	269.6	268.9	262.7	264.1	280.8	270.3	261.3	266.8	252.2	272.4
25°	320.5	320.5	316.3	310.7	302.4	294.7	303.1	301.7	289.1	287.8	321.2
27.5°	343.5	333.7	331.6	324.7	343.5	339.3	346.3	314.9	341.4	335.1	353.2
30°	394.4	393.7	386.7	393.0	393.0	376.9	364.4	379.0	384.6	372.8	413.9
32.5°	466.8	466.1	457.8	452.9	418.7	415.3	422.9	425.0	424.3	427.8	440.3
35°	545.5	544.8	498.9	489.8	477.3	474.5	473.8	462.6	475.9	459.1	492.6
37.5°	597.8	603.4	576.9	570.6	554.6	536.5	521.9	528.8	512.8	510.7	535.1
40°	702.3	704.4	680.7	661.2	647.3	606.2	591.5	587.3	581.8	574.8	607.6
42.5°	800.5	797.8	776.9	761.5	744.1	704.4	661.9	657.0	655.6	649.4	677.9
45°	896.0	898.1	873.7	866.7	838.9	813.8	755.3	756.0	751.8	744.8	770.6
47.5°	983.1	988.0	974.7	953.1	930.8	910.6	866.0	863.3	853.5	855.6	886.2
50°	1056.3	1065.3	1052.8	1036.7	1016.5	1002.6	976.8	970.6	965.0	970.6	1004.0
52.5°	1106.4	1114.1	1119.0	1098.8	1098.8	1080.6	1072.3	1066.0	1068.1	1084.8	1124.5
55°	1131.5	1138.5	1148.9	1135.0	1165.6	1139.2	1131.5	1140.6	1154.5	1184.5	1240.9
57.5°	1131.5	1135.7	1148.9	1151.7	1169.8	1151.0	1164.9	1184.5	1214.4	1266.7	1346.1
60°	1107.8	1111.3	1127.3	1129.4	1146.1	1141.9	1153.8	1209.5	1253.4	1339.8	1467.3
62.5°	1070.2	1072.3	1087.6	1091.8	1109.2	1117.6	1135.7	1216.5	1294.5	1445.0	1649.9
64°	1043.0	1044.4	1056.9	1063.2	1082.7	1098.8	1123.8	1210.9	1317.5	1518.9	1783.6
65°	1024.2	1024.2	1039.5	1042.3	1061.8	1082.7	1109.9	1197.7	1318.9	1546.8	1841.5
67.5°	950.3	946.9	962.2	969.2	976.8	993.5	1010.3	1101.5	1236.7	1502.9	1826.1
70°	825.6	817.3	824.9	819.4	815.2	807.5	799.2	862.6	958.7	1226.3	1546.8
72.5°	579.0	579.0	572.7	586.0	595.7	605.5	572.0	579.7	631.9	804.7	1090.4
75°	388.8	393.0	404.1	436.2	467.5	496.1	507.2	507.9	464.0	477.3	661.9
77.5°	230.6	239.7	248.0	285.7	326.1	386.0	438.9	490.5	502.3	495.4	479.4
80°	103.8	106.6	118.4	133.1	158.2	199.3	276.6	358.8	452.2	498.9	489.1
82.5°	35.5	39.0	46.7	55.7	66.2	84.3	125.4	169.3	258.5	366.5	455.7
85°	11.8	13.2	18.1	25.1	27.9	32.0	42.5	62.7	102.4	144.2	274.5
87.5°	4.9	6.3	8.4	12.5	13.9	13.9	14.6	18.8	18.8	18.8	75.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
2.5°	91.3	84.3	74.6	72.5	69.7	69.0	68.3	68.3	67.6	68.3	68.3
5°	97.5	103.1	107.3	104.5	77.3	73.9	68.3	67.6	68.3	68.3	71.8
7.5°	88.5	88.5	84.3	96.8	97.5	72.5	66.9	68.3	69.0	69.7	80.8
10°	95.5	121.2	120.5	122.6	140.0	137.3	102.4	100.3	101.0	105.9	140.0
12.5°	170.0	157.5	124.0	129.6	128.2	142.1	109.4	105.2	108.0	134.5	131.0
15°	170.7	195.8	200.0	176.3	167.2	177.0	159.6	151.9	147.0	174.9	150.5
17.5°	202.8	200.7	204.8	188.8	178.4	175.6	192.3	188.1	180.5	167.9	156.1
20°	224.3	239.7	244.6	275.9	257.1	249.4	255.0	240.4	232.0	235.5	234.8
22.5°	275.2	296.8	280.8	287.1	292.6	312.1	305.2	282.9	288.4	289.8	280.8
25°	291.2	326.8	349.8	361.6	365.8	353.2	370.7	344.9	353.2	341.4	349.8
27.5°	360.9	363.0	381.1	376.9	405.5	420.1	419.4	405.5	409.0	416.0	425.0
30°	381.1	388.8	425.0	437.5	453.6	464.7	451.5	457.1	446.6	461.2	463.3
32.5°	444.5	437.5	450.8	503.7	540.7	559.5	540.7	551.8	540.0	544.8	520.5
35°	482.1	514.9	523.9	549.0	576.9	603.4	597.8	595.7	594.3	604.1	553.2
37.5°	559.5	566.4	571.3	603.4	628.5	663.3	664.7	657.0	670.3	642.4	598.5
40°	610.3	621.5	627.8	649.4	700.2	728.1	749.0	733.7	752.5	696.7	665.4
42.5°	686.3	681.4	692.6	726.0	788.7	805.4	834.7	824.9	853.5	793.6	731.6
45°	785.9	781.7	783.8	805.4	890.4	902.3	931.5	939.2	953.1	878.6	815.2
47.5°	898.1	900.2	900.2	921.8	991.5	1015.1	1048.6	1071.6	1066.7	969.2	905.8
50°	1024.2	1034.0	1019.3	1049.3	1101.5	1144.0	1162.9	1212.3	1194.2	1095.3	1024.9
52.5°	1163.5	1179.6	1166.3	1191.4	1240.9	1294.5	1325.9	1372.6	1341.2	1258.3	1134.3
55°	1301.5	1329.4	1344.7	1371.9	1435.3	1486.1	1500.1	1566.3	1522.4	1440.8	1254.1
57.5°	1446.4	1505.6	1560.7	1597.6	1704.2	1763.4	1793.4	1936.9	1883.3	1796.9	1508.4
60°	1633.8	1813.6	1963.4	2046.3	2187.1	2247.7	2367.5	2519.4	2481.1	2353.6	1964.1
62.5°	1941.1	2260.9	2489.4	2596.0	2629.5	2708.2	2820.4	2963.9	2904.7	2610.7	2203.8
64°	2116.7	2477.6	2709.6	2803.7	2756.3	2842.7	2919.3	3029.4	2929.8	2608.6	2166.8
65°	2191.2	2558.4	2780.7	2869.9	2774.4	2845.5	2908.9	2977.8	2853.1	2540.3	2076.3
67.5°	2210.0	2564.0	2762.6	2815.5	2657.3	2636.4	2646.9	2639.9	2472.7	2187.1	1773.2
70°	1927.2	2266.5	2544.5	2612.1	2400.3	2288.1	2282.5	2215.6	2045.6	1820.6	1460.4
72.5°	1488.2	1784.3	2059.6	2150.8	1950.9	1862.4	1841.5	1709.8	1568.4	1360.0	1100.1
75°	1008.2	1247.9	1328.0	1333.6	1173.3	1125.9	1095.3	976.1	853.5	764.3	645.2
77.5°	592.2	691.2	618.0	544.2	426.4	302.4	225.0	187.4	204.8	204.1	192.3
80°	501.0	470.3	380.4	294.7	211.8	119.8	87.1	73.9	75.2	76.6	75.2
82.5°	538.6	573.4	486.3	345.6	259.2	152.6	73.9	53.0	60.6	66.9	64.1
85°	456.4	559.5	521.2	373.5	278.0	160.2	52.3	34.8	44.6	55.0	58.5
87.5°	177.0	258.5	209.7	144.2	96.8	53.6	30.7	25.1	31.4	43.9	48.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
2.5°	69.0	71.1	74.6	74.6	72.5	74.6	84.3	96.1	103.1	108.7	115.0
5°	71.8	94.1	109.4	111.5	108.7	78.7	73.2	73.2	75.9	78.7	72.5
7.5°	100.3	95.5	66.9	71.1	71.8	72.5	71.8	73.9	74.6	98.9	112.9
10°	114.3	103.8	101.0	84.3	78.7	110.1	110.1	110.8	115.0	115.7	115.0
12.5°	111.5	106.6	107.3	142.8	154.0	147.0	119.1	110.1	115.0	131.7	147.7
15°	149.1	158.9	168.6	147.7	154.7	149.8	176.3	183.2	151.2	149.1	154.0
17.5°	158.9	191.6	193.0	184.6	208.3	186.0	181.2	183.2	180.5	167.2	188.8
20°	262.0	243.9	227.1	208.3	225.7	218.8	214.6	216.7	214.6	215.3	190.2
22.5°	278.0	270.3	285.0	277.3	261.3	243.9	250.8	246.6	223.7	248.0	229.2
25°	361.6	356.0	324.7	289.1	313.5	277.3	260.6	277.3	273.1	254.3	254.3
27.5°	380.4	379.0	373.5	379.7	333.7	314.2	334.4	286.4	289.1	295.4	294.0
30°	440.3	439.6	393.0	398.5	395.7	361.6	348.4	353.2	320.5	314.9	327.5
32.5°	504.4	462.6	450.1	454.3	421.5	399.2	392.3	365.1	352.5	346.3	326.1
35°	532.3	530.9	519.8	480.1	467.5	425.7	419.4	388.1	376.2	372.1	361.6
37.5°	569.2	567.8	556.0	535.1	505.1	455.7	434.1	413.2	386.7	370.0	383.2
40°	618.7	608.3	596.4	562.3	521.2	476.6	445.9	409.7	393.0	376.9	395.7
42.5°	706.5	659.8	630.5	587.3	532.3	478.7	444.5	409.7	377.6	372.8	375.5
45°	783.8	709.3	659.1	603.4	537.2	474.5	431.3	391.6	369.3	350.5	349.8
47.5°	851.4	765.7	685.6	615.9	534.4	463.3	411.8	369.3	341.4	323.3	314.9
50°	914.8	824.9	712.8	620.1	522.6	441.7	383.9	338.6	303.8	283.6	281.5
52.5°	978.2	866.7	735.8	613.8	499.6	409.0	343.5	295.4	257.8	241.1	237.6
55°	1068.1	890.4	747.6	591.5	463.3	364.4	295.4	244.6	206.9	198.6	193.7
57.5°	1256.9	967.8	759.4	556.7	409.7	306.6	239.0	195.1	167.2	158.9	154.7
60°	1560.7	1115.5	786.6	503.7	336.5	241.8	182.5	146.3	127.5	122.6	120.5
62.5°	1703.5	1154.5	744.8	423.6	257.8	172.1	128.2	103.1	93.4	92.0	93.4
64°	1658.2	1088.3	664.0	361.6	205.5	133.1	98.9	82.2	76.6	75.9	78.7
65°	1578.1	1013.1	602.7	319.1	170.7	110.1	82.9	71.1	66.9	68.3	70.4
67.5°	1303.6	783.1	408.3	190.9	98.9	67.6	56.4	50.9	51.6	53.0	55.7
70°	1017.9	524.6	222.3	98.9	59.2	46.0	42.5	40.4	41.8	43.9	46.7
72.5°	698.1	293.3	105.9	56.4	43.9	36.9	36.2	35.5	36.9	39.0	41.8
75°	365.8	122.6	59.9	44.6	38.3	33.4	34.1	33.4	34.8	36.9	39.0
77.5°	115.7	66.2	50.2	41.1	36.2	31.4	32.0	32.7	34.1	35.5	36.9
80°	62.7	55.0	45.3	38.3	34.1	29.3	30.7	31.4	33.4	34.1	34.1
82.5°	57.1	48.1	39.7	34.8	32.7	28.6	31.4	31.4	31.4	31.4	31.4
85°	50.2	39.0	32.7	30.7	30.7	27.2	29.3	29.3	27.9	27.9	26.5
87.5°	39.0	28.6	27.9	30.7	28.6	19.5	25.1	23.7	21.6	21.6	20.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	69.0	69.0	69.0	69.0
2.5°	114.3	115.0	112.2	112.2
5°	71.8	72.5	71.8	71.8
7.5°	117.1	115.7	119.8	115.7
10°	117.7	114.3	113.6	114.3
12.5°	153.3	153.3	154.0	154.0
15°	153.3	152.6	154.0	153.3
17.5°	192.3	193.7	194.4	193.7
20°	194.4	195.1	200.7	196.5
22.5°	230.6	234.8	234.8	234.1
25°	240.4	271.0	277.3	276.6
27.5°	275.9	279.4	280.1	279.4
30°	314.2	315.6	319.1	317.7
32.5°	330.9	353.2	357.4	356.0
35°	358.8	352.5	367.2	381.8
37.5°	375.5	373.5	376.9	376.2
40°	390.9	394.4	398.5	395.0
42.5°	376.2	374.1	376.2	374.8
45°	346.3	347.0	345.6	344.2
47.5°	308.7	308.7	307.3	307.3
50°	268.9	270.3	264.8	265.5
52.5°	227.1	228.5	224.3	220.2
55°	188.1	188.8	183.2	181.8
57.5°	151.9	154.0	149.1	147.0
60°	120.5	121.2	119.8	119.8
62.5°	95.5	94.1	92.7	93.4
64°	80.8	81.5	79.4	80.8
65°	72.5	73.9	72.5	73.9
67.5°	57.8	59.9	59.2	59.9
70°	49.5	50.2	49.5	49.5
72.5°	43.9	44.6	43.2	42.5
75°	41.1	40.4	39.7	39.0
77.5°	37.6	37.6	36.2	35.5
80°	33.4	32.7	31.4	30.0
82.5°	30.7	29.3	25.8	23.7
85°	25.8	23.7	19.5	15.3
87.5°	20.9	18.8	11.8	6.3
90°	0.0	0.0	0.0	0.0

(END OF REPORT)